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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/977,746	10/15/2001	David Llewellyn Mallis	09432.183002	3552
22511	7590 12/27/2005		EXAM	INER
OSHA LIANG L.L.P. 1221 MCKINNEY STREET			BOCHNA, DAVID	
SUITE 2800	NET STREET		ART UNIT	PAPER NUMBER
HOUSTON, TX 77010			3679	

DATE MAILED: 12/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		<u> </u>				
	Application No.	Applicant(s)				
	09/977,746	MALLIS ET AL.				
Office Action Summary	Examiner	Art Unit				
	David E. Bochna	3679				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA: Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value of the provision of the provis	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 29 Se	eptember 2005.					
,						
·	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) Claim(s) 10-19 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 10-19 is/are rejected. 						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers	·					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). njected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:					

Application/Control Number: 09/977,746 Page 2

Art Unit: 3679

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 10-19 are rejected under 35 U.S.C. 1 12, first paragraph, as failing to comply with the written description requirement. The claims contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention. In claim 10, lines 9-10 state that "irreversible plastic deformation of the positive stop torque shoulder does not occur upon final makeup".

This appears to be inconsistent the specification as originally filed which on page 6, lines l-2 states that torque "may be applied to the positive stop torque shoulder prior to final make up, without causing irreversible plastic deformation". Thus the claims purport that no irreversible plastic deformation occurs at final make up yet the specification only supports no irreversible plastic deformation prior to final make up. See also page 7, paragraph (0031).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Application/Control Number: 09/977,746 Page 3

Art Unit: 3679

4. Claims 10-11, 15-18 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Klementich '315. The Klementich '315 rejection which was made in the final office dated 12/22/04 is being maintained and incorporated here by reference to that final office.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Klementich in view of Blose '081. The Klementich '315 in view of Blose '081 rejection which was made in the final office dated 12/22/04 is being maintained and incorporated here by reference to that final office.

Response to Arguments

7. Applicant's arguments filed 3/22/05 have been fully considered but they are not persuasive.

Applicant argues that the 112, 1st paragraph rejection should be removed because the specification as originally filed recited that torque "may be applied to the positive stop torque shoulder prior to final make up, without causing irreversible plastic deformation". Applicant argues that if no irreversible plastic deformation occurs prior to final makeup, one of ordinary skill in the art would conclude that no plastic deformation would occur upon final makeup.

The Examiner disagrees with this assertion. There is no reason for one of ordinary skill in the art to assume that when torque may be applied to the positive stop torque shoulder prior to

Art Unit: 3679

final make up, without causing irreversible plastic deformation, that no plastic deformation would not occur upon final makeup.

Applicant argues that "upon final makeup" is effectively equivalent to not having plastic deformation "prior to final make-up". The Examiner disagrees, as the words "upon" and prior to" are not synonymous. Applicant uses the example of 5000 ft*lbs being "upon" and 4999 ft*lbs being "prior to", and that it wouldn't be possible to have plastic deformation at 5000 ft*lbs if there was no plastic deformation at 4999 ft*lbs. It is unclear to the Examiner why plastic deformation couldn't occur at 5000 ft*lbs when there was no plastic deformation at 4999 ft*lbs. There has to be a threshold pressure value when plastic deformation of the metal begins to occur, and there is no reason it could not be when the last ft*lb of pressure is added "upon" final make up of the joint.

Applicant also argues that Klementich does not disclose the limitation that "a torque is applied such that irreversible plastic deformation of a torque shoulder does not occur upon final makeup", and cites various lines from Klementich to support this argument. However, none of the references to Klementich disclose that the shoulders of Klementich are plastically deformed. The references cited by the Applicant only state that the shoulders of Klementich touch to form a seal. The shoulders 520, could only be elastically deformed, or not deformed at all, and still create the desired seal. Applicant argues that it is apparent that plastic deformation is relied upon in Klementich in order to form the metal-to-metal seals, but has failed to point out any evidence in the specification of Klementich that supports this argument.

Application/Control Number: 09/977,746 Page 5

Art Unit: 3679

Applicant argues that Blose teaches plastic deformation and therefore teaches away from Klementich. However, Blose is used to teach the use of positive stop shoulders, not plastic or elastic deformation, therefore the obvious type rejection has been maintained.

Conclusion

8. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. Bochna whose telephone number is (571) 272-7078.

The examiner can normally be reached on 8-5:30 Monday-Thursday and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on (571) 272-7087. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

Application/Control Number: 09/977,746

Art Unit: 3679

Page 6

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David E. Bochna Primary Examiner Art Unit 3679